FIG.1

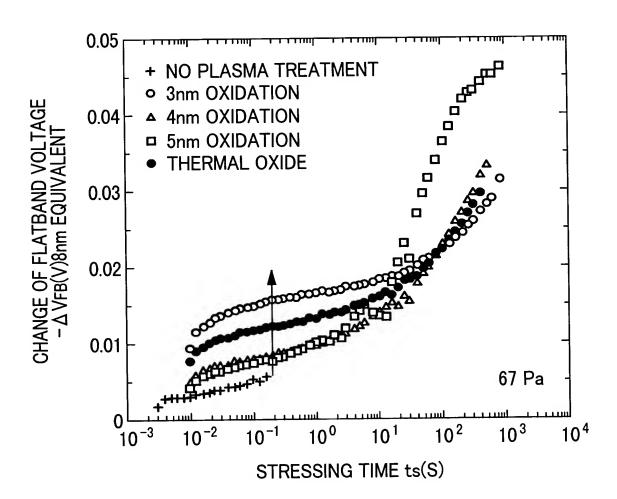


FIG.2

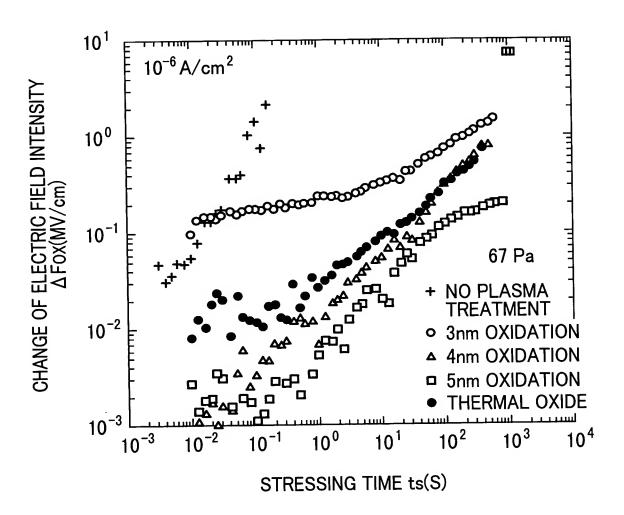


FIG.3

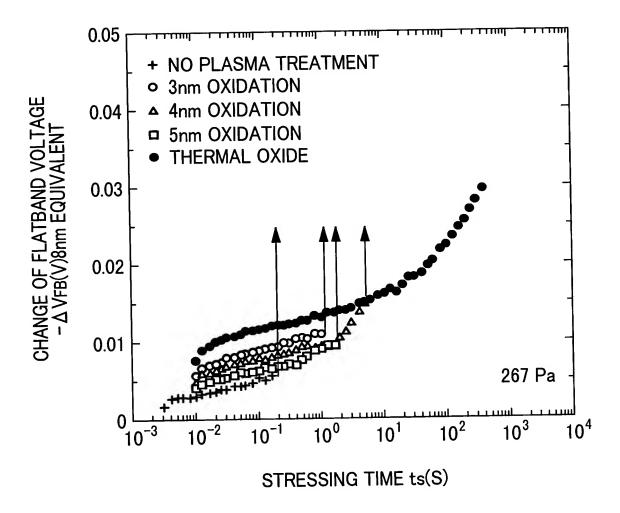


FIG.4

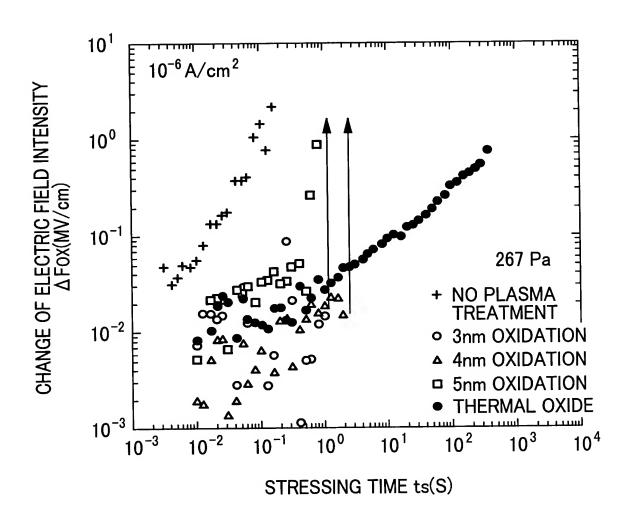


FIG.5

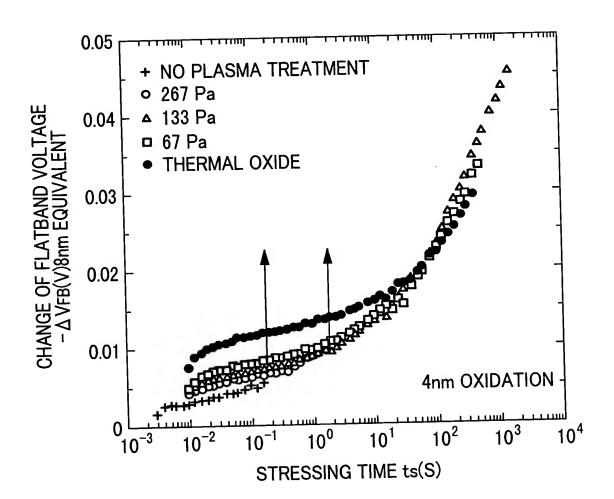


FIG.6

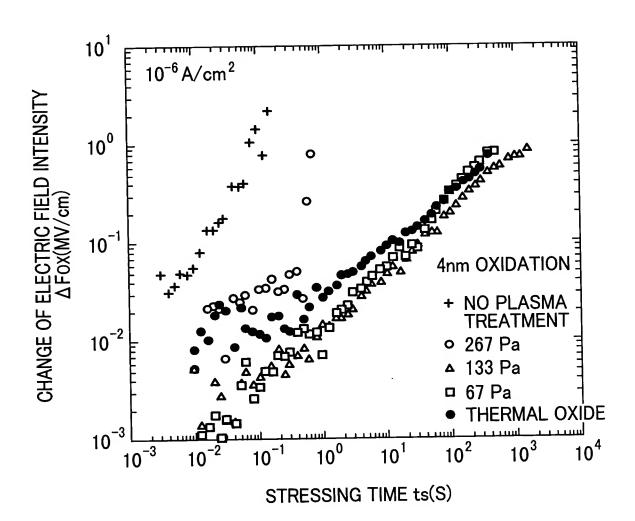
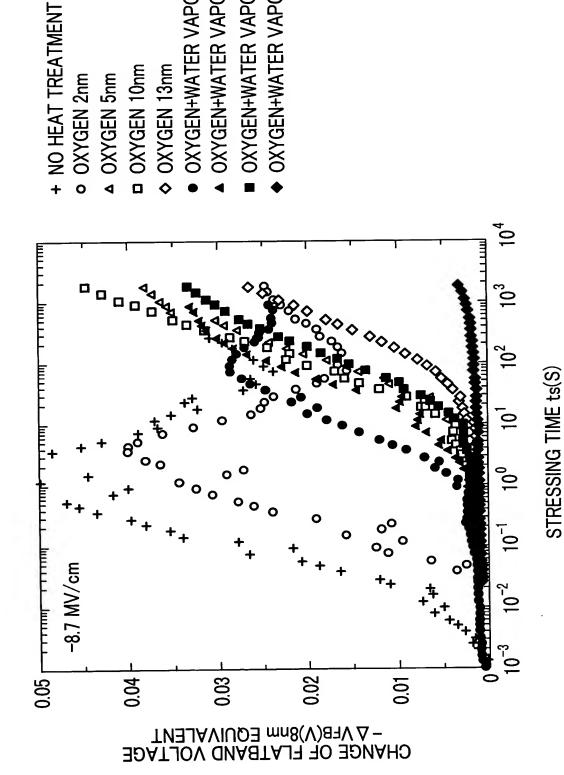


FIG.7



OXYGEN+WATER VAPOR 10nm

OXYGEN+WATER VAPOR 4nm OXYGEN+WATER VAPOR 7nm OXYGEN+WATER VAPOR 13nm

FIG.8

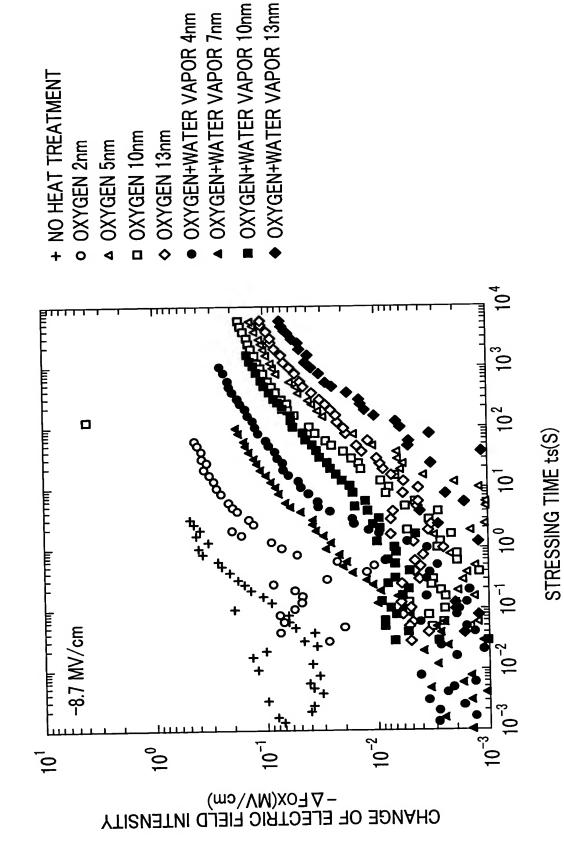
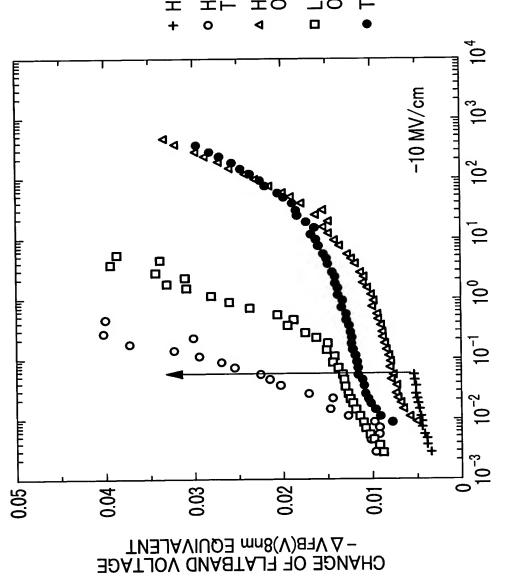


FIG.9



+ HIGH TEMPERATURE CVD FILM 5nm

- HIGH TEMPERATURE CVD FILM 5nm+ TERMAL OXIDATION 5nm
- HIGH TEMPERATURE CVD FILM 4nm+ 02 PLASMA 4nm
- LOW TEMPERATURE CVD FILM 5nm+ 02 PLASMA 5nm
- THERMAL OXIDE(4nm)

STRESSING TIME ts(S)

FIG.10

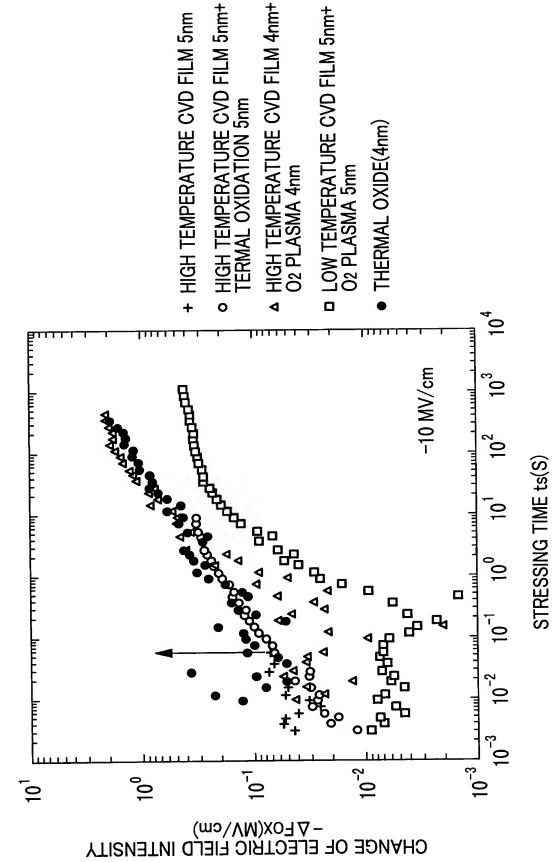


FIG.11

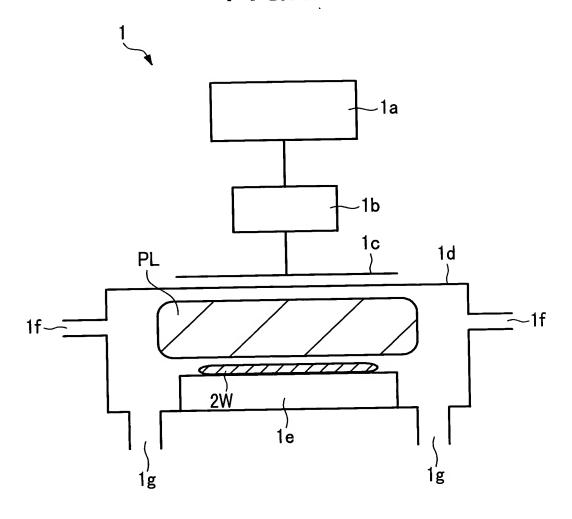


FIG.12

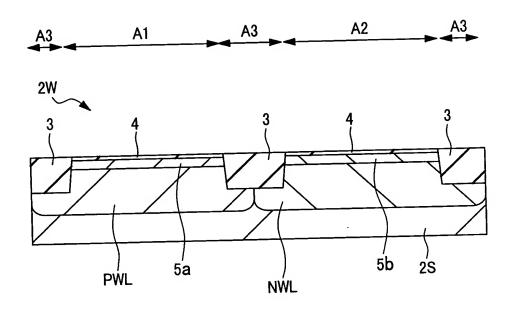


FIG.13

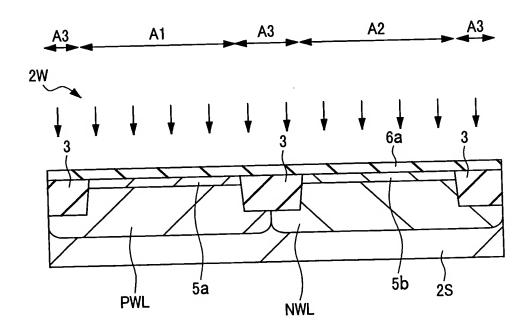


FIG.14

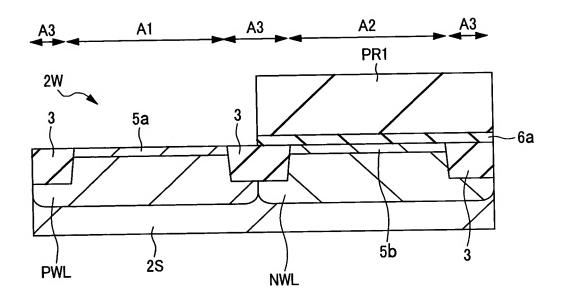


FIG.15

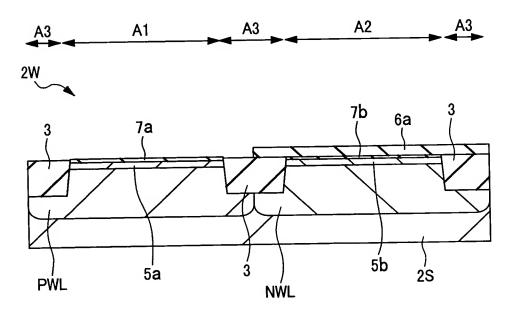


FIG.16

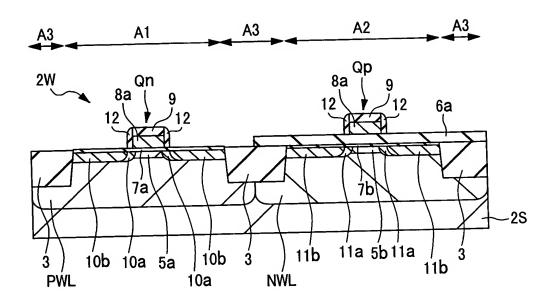


FIG.17

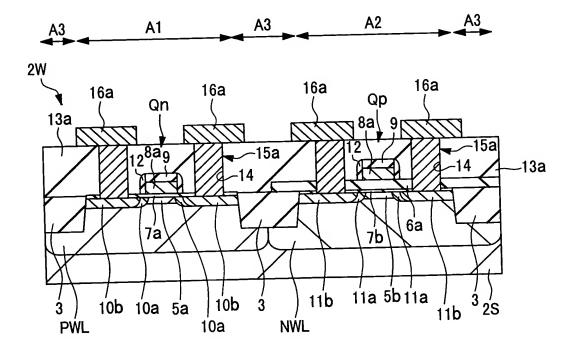


FIG.18

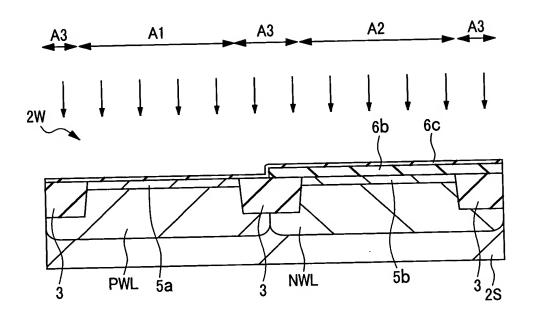


FIG.19

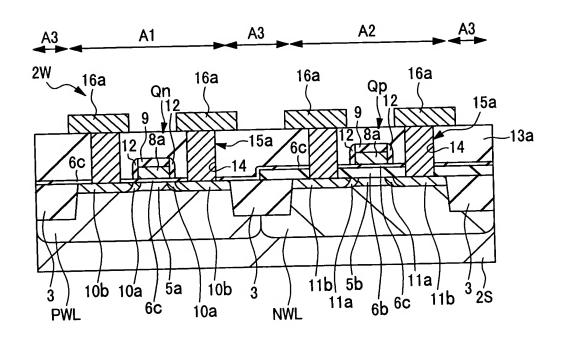


FIG.20

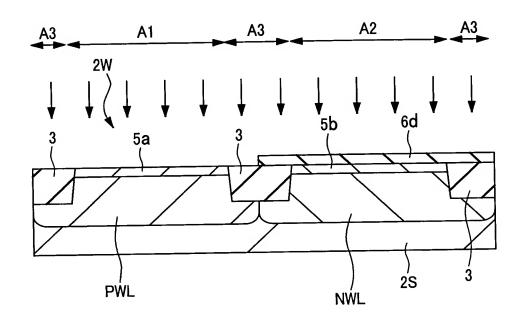


FIG.21

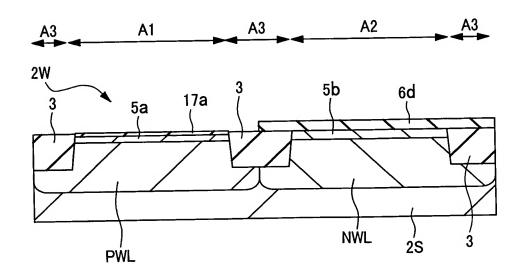


FIG.22

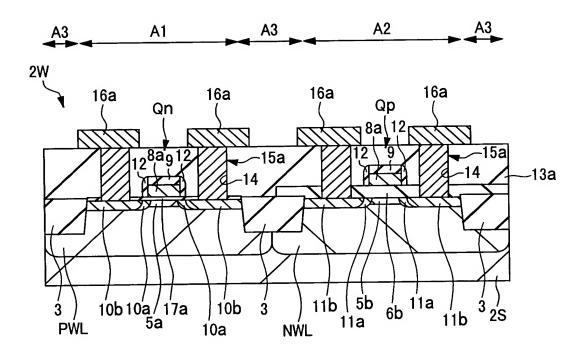


FIG.23

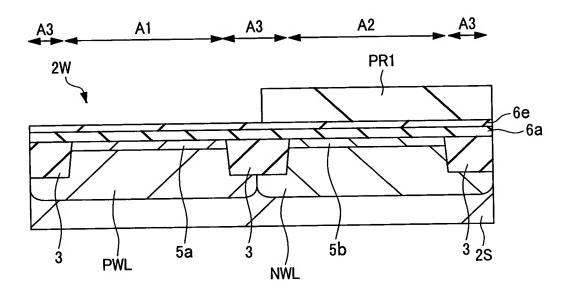


FIG.24

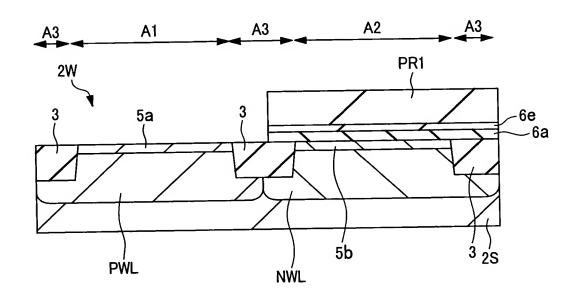


FIG.25

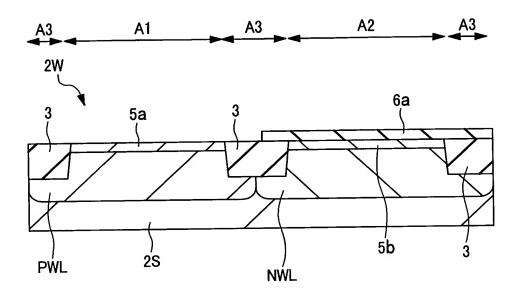


FIG.26

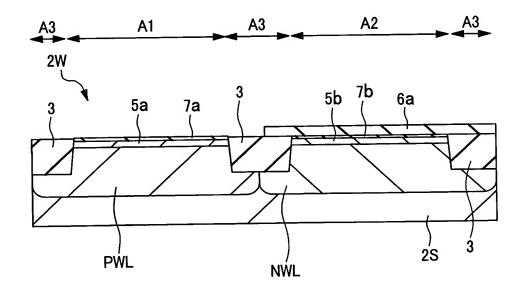


FIG.27

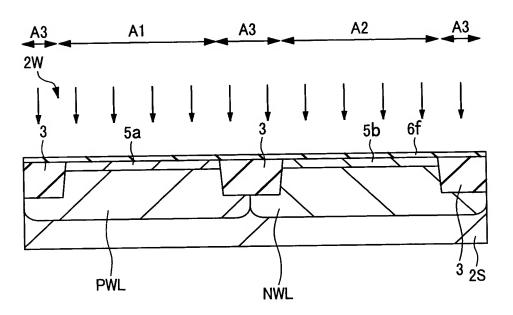


FIG.28

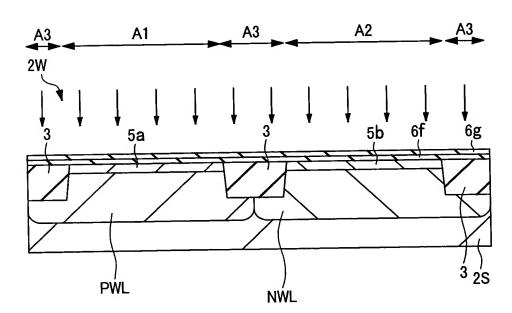


FIG.29

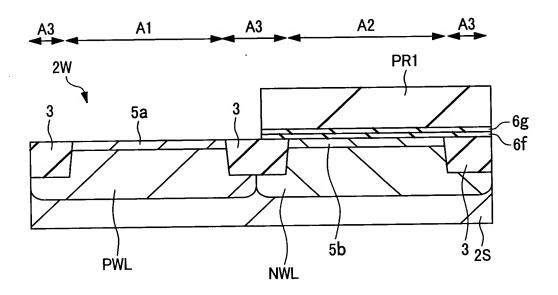


FIG.30

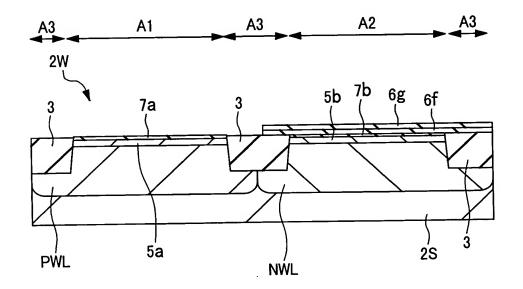
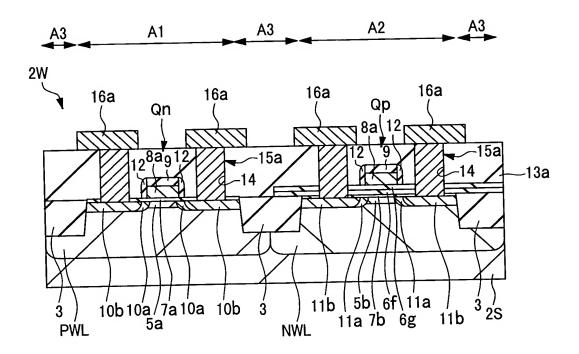
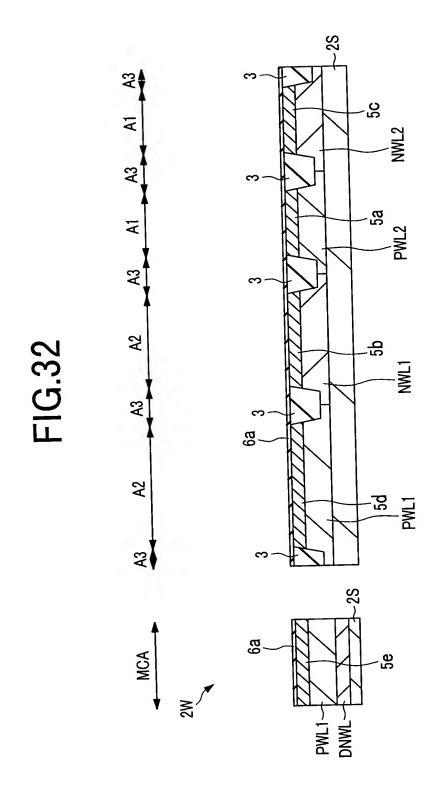
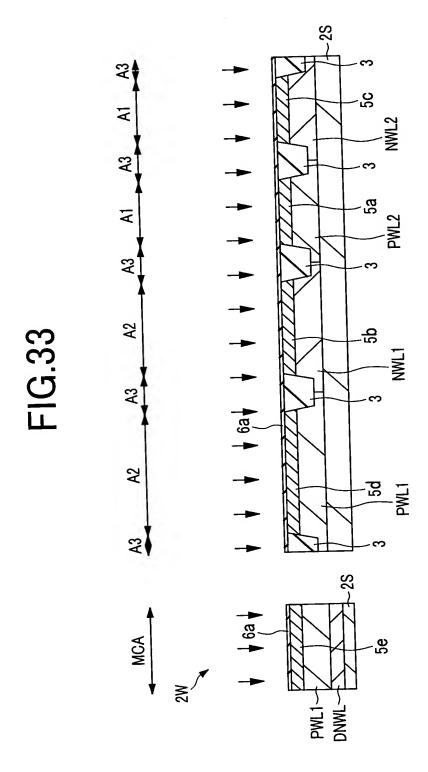
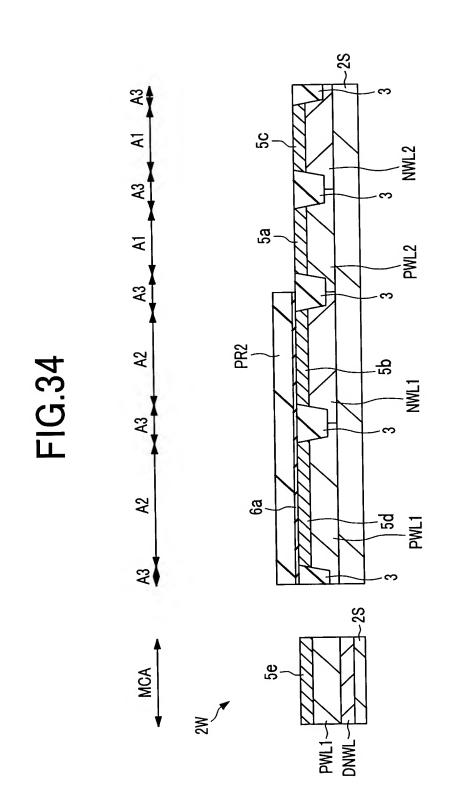


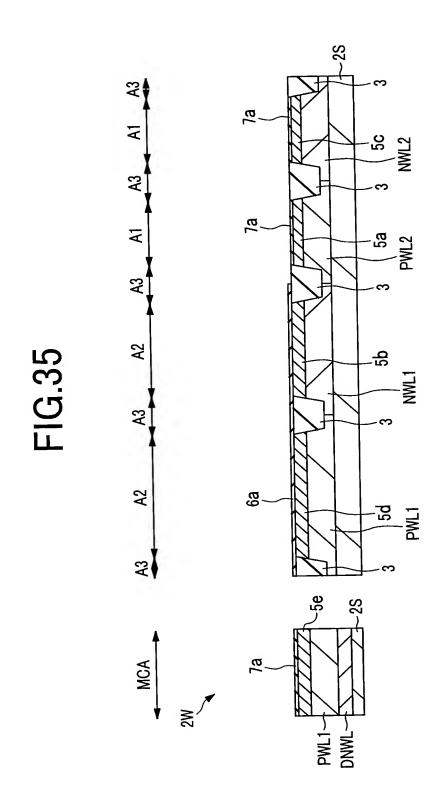
FIG.31

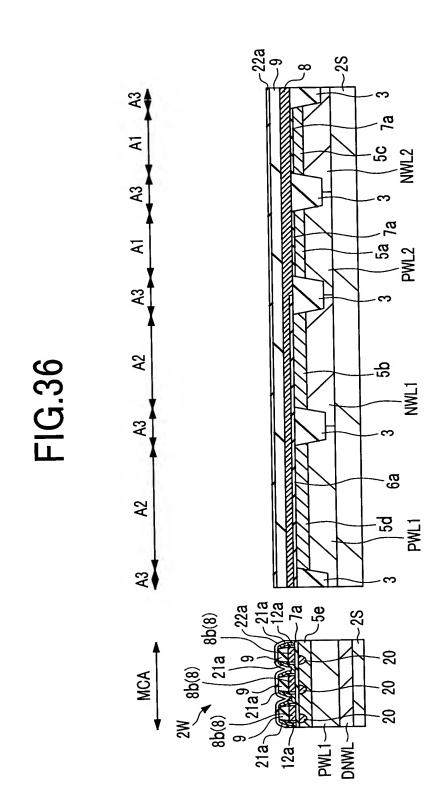


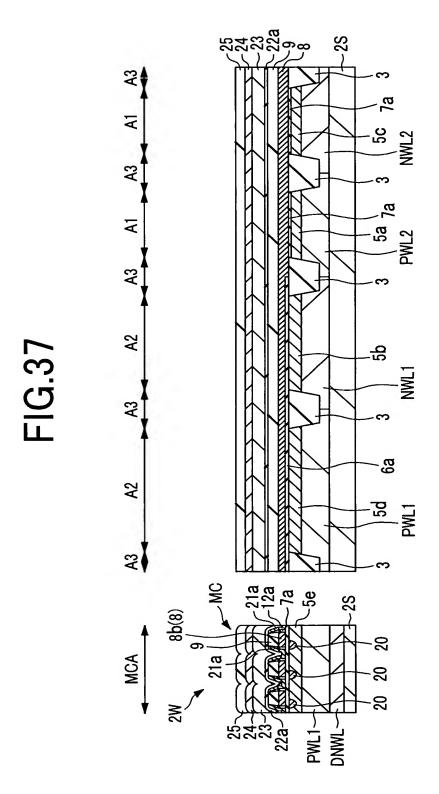


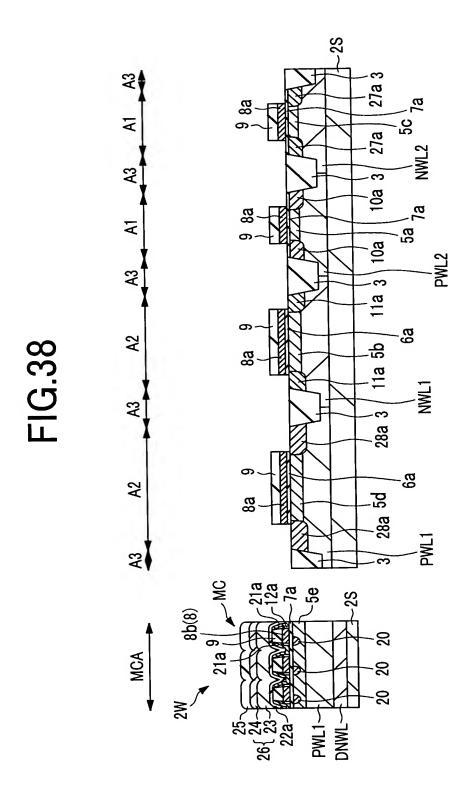


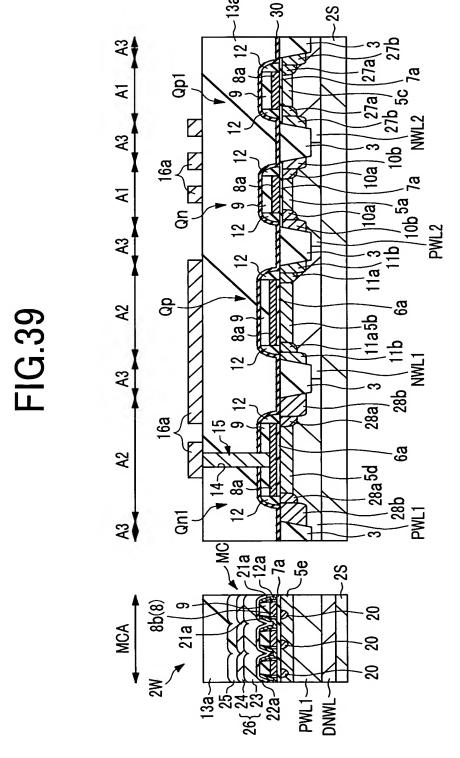


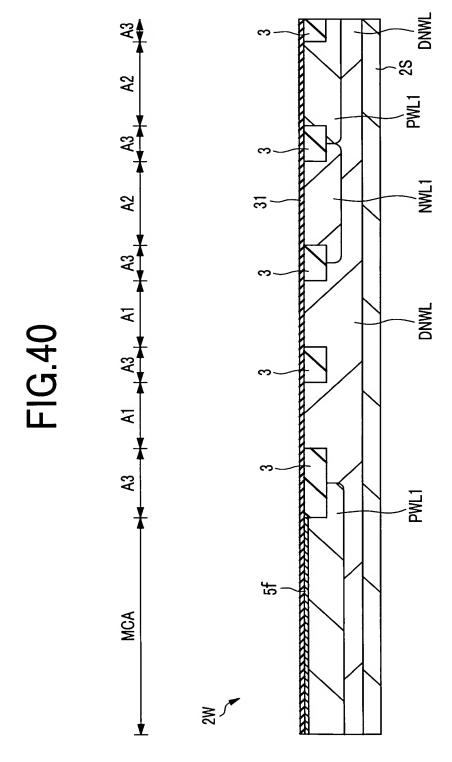












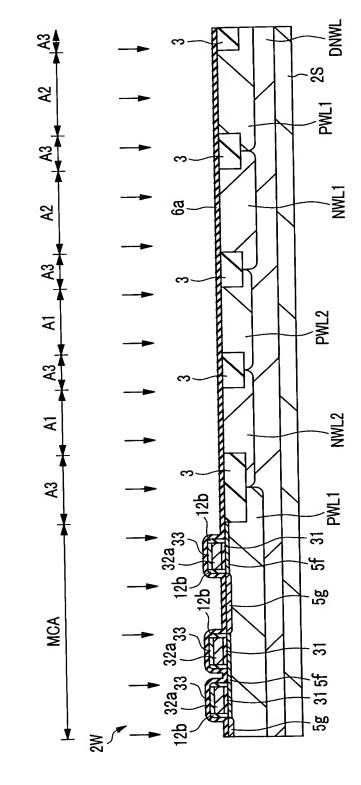


FIG.41

A2 6a **A**2 FIG.42 MCA 8/2

DNWL

NWL1

PWL2

NWL2

PWL1

5f 31

3

31 5f

26

PWL1 2S

FIG.43

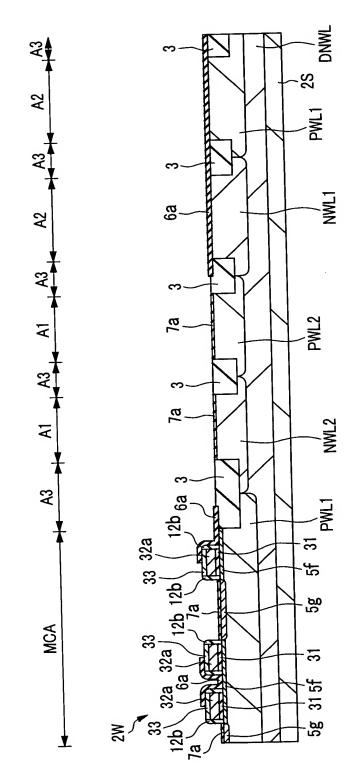
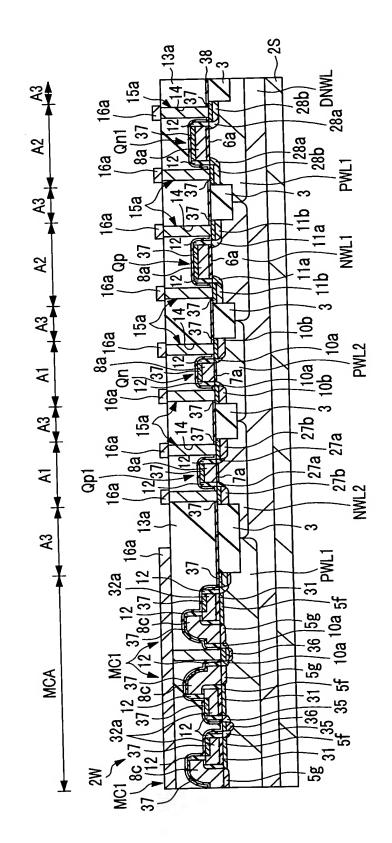
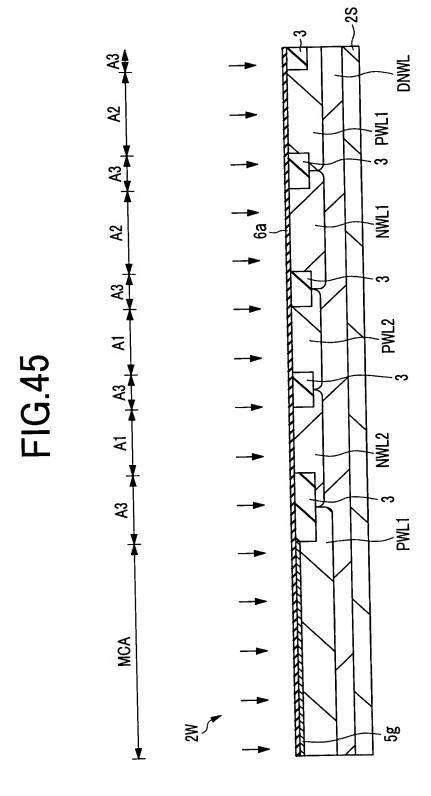


FIG.44





₩ **A**2 8 eg O **A**2 FIG.46 **7**a A **A**3 MCA 72 g

~2S

DNWL

3 PWL1

NWL1

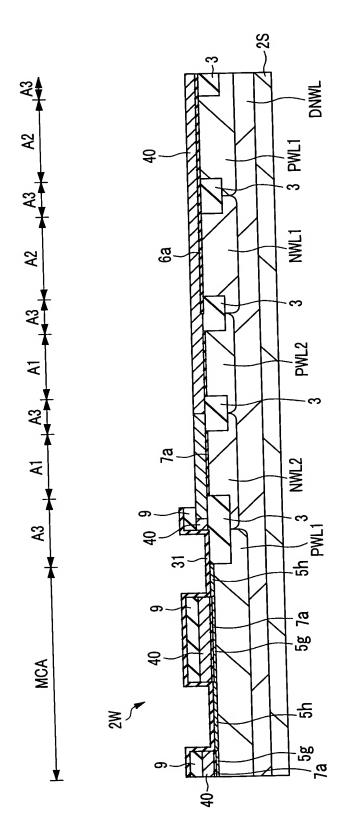
PWL2

NWL2

PWL1 3

58

FIG.47



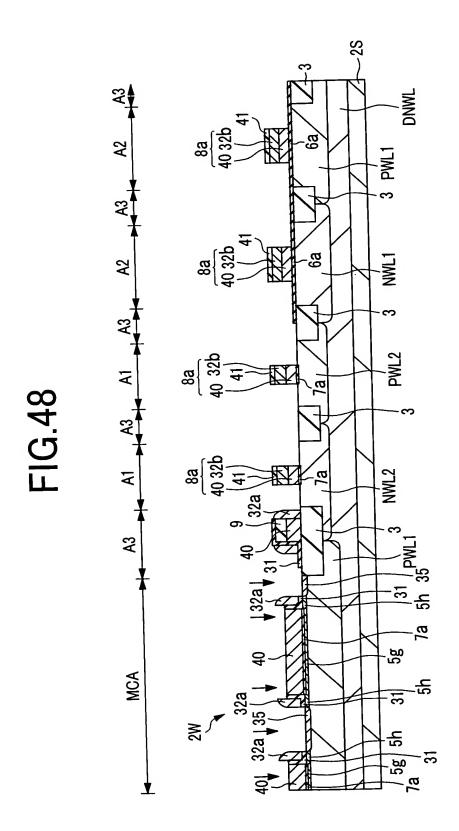


FIG.49

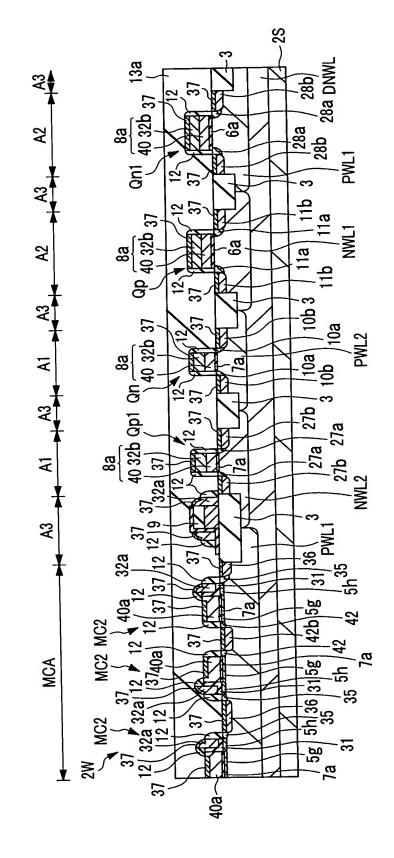


FIG.50

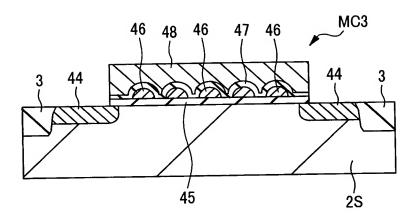


FIG.51

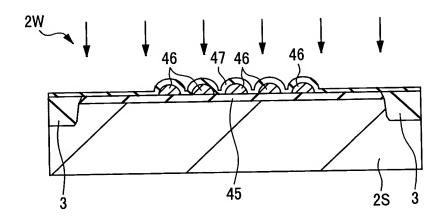


FIG.52

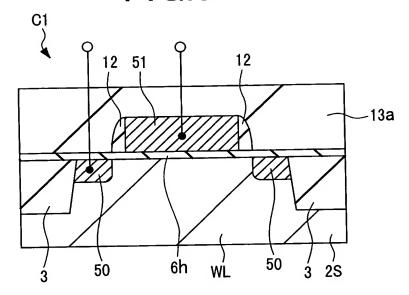


FIG.53

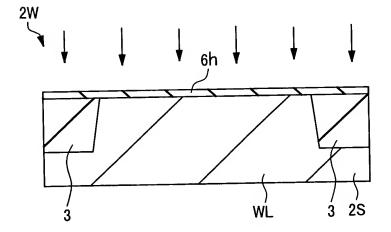


FIG.54

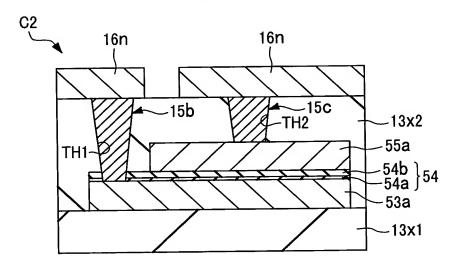


FIG.55

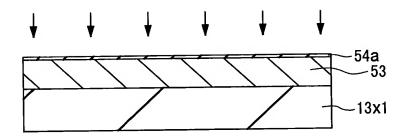


FIG.56

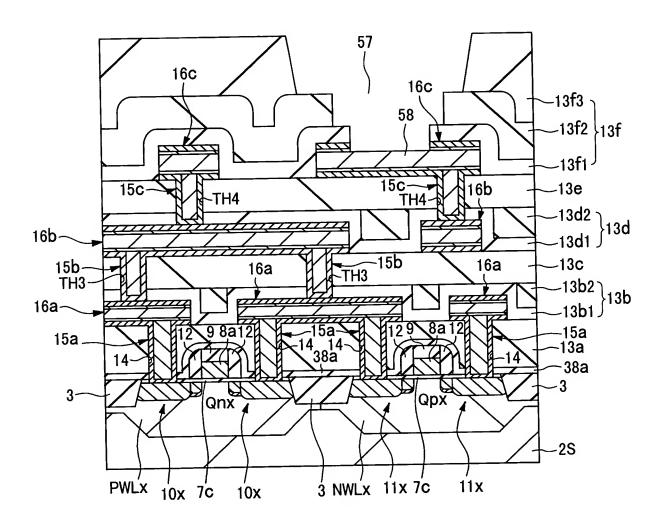


FIG.57

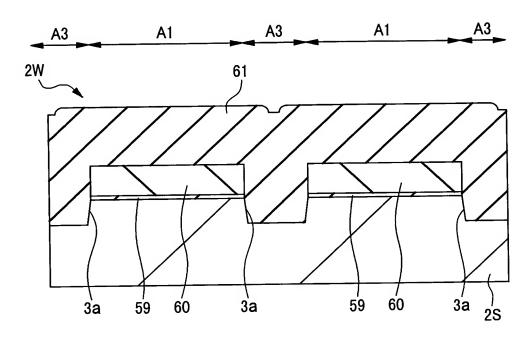


FIG.58

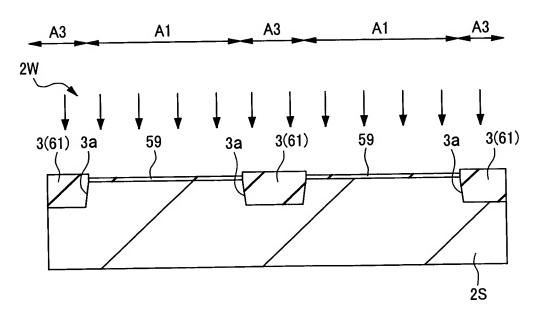


FIG.59

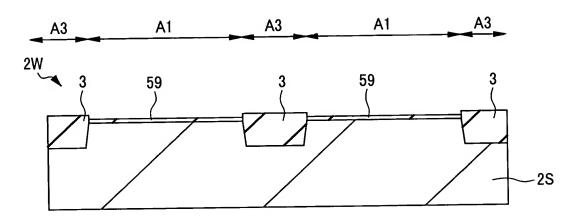


FIG.60

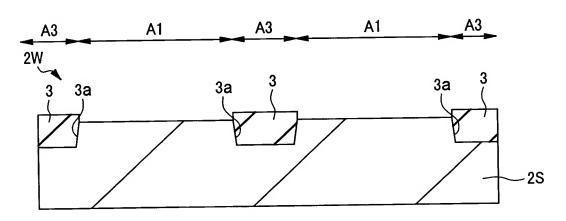


FIG.61

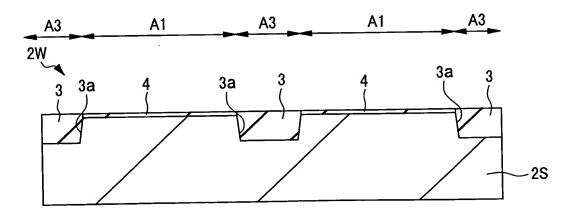


FIG.62

2W

8a 9 12

38a

12 8a 9

12 Qpx

Qpx

Qpx

11x 7c 11x 3 2S

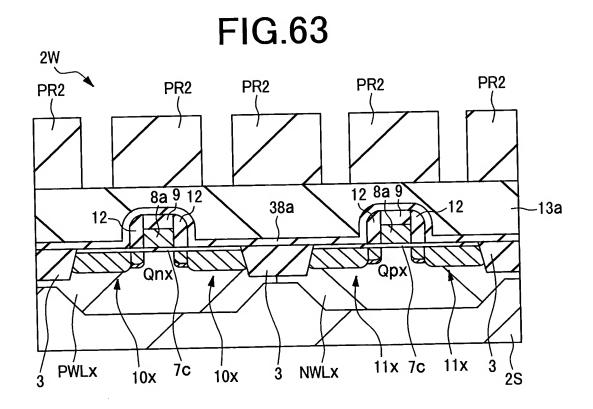


FIG.64 **2W** PR2 PR2 PR2 PR2 PR2 14 14 14 12 8a 8a 9 12 -13a 38a Qpx^l Qnx 11x 7c 11x PŴLX 7c NWLx ż 10x 10x

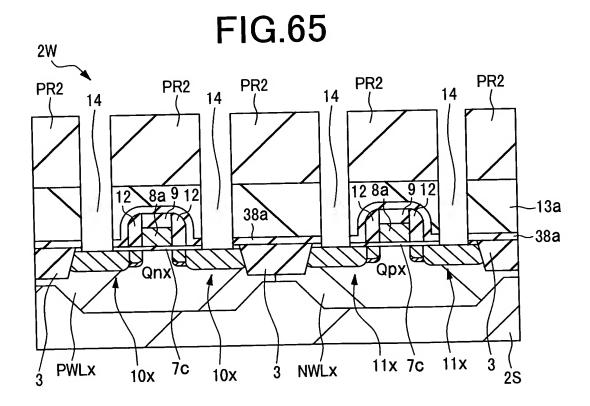


FIG.66 15a 15a -15a フ 14 38a 14 (14 -13a 38a Ωbx, 11x 11x 7c 3 PWLx 7c NWLx 10x 10x

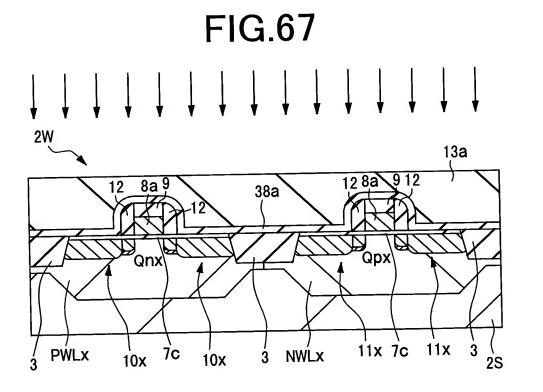


FIG.68

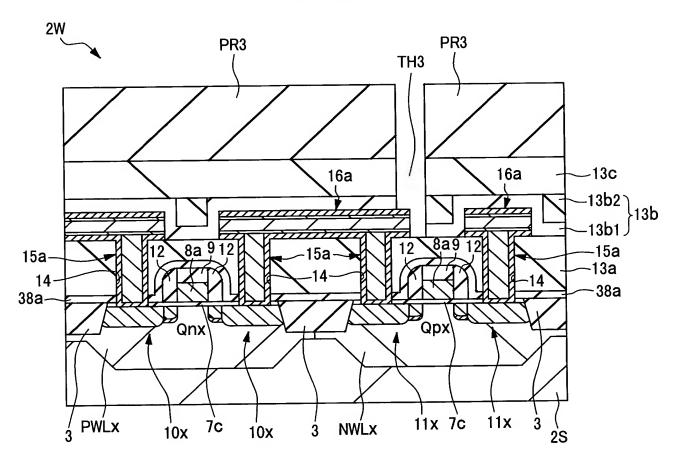
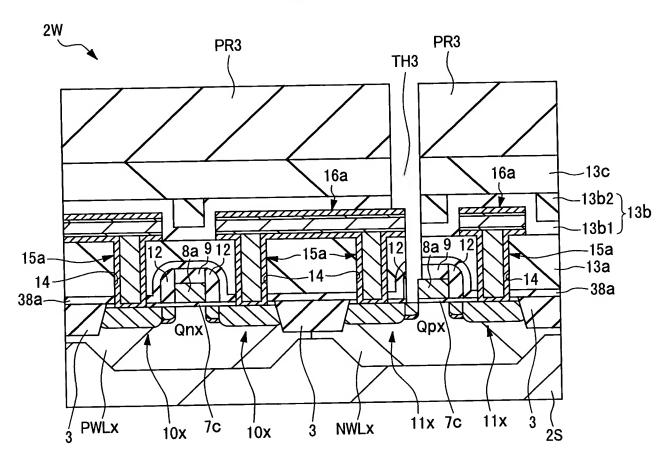
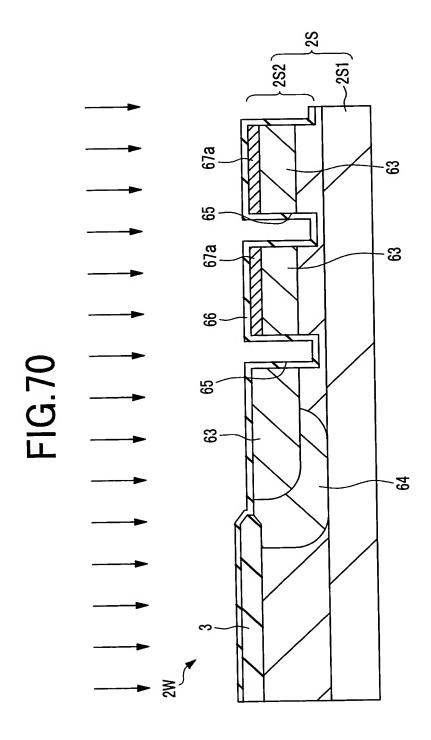
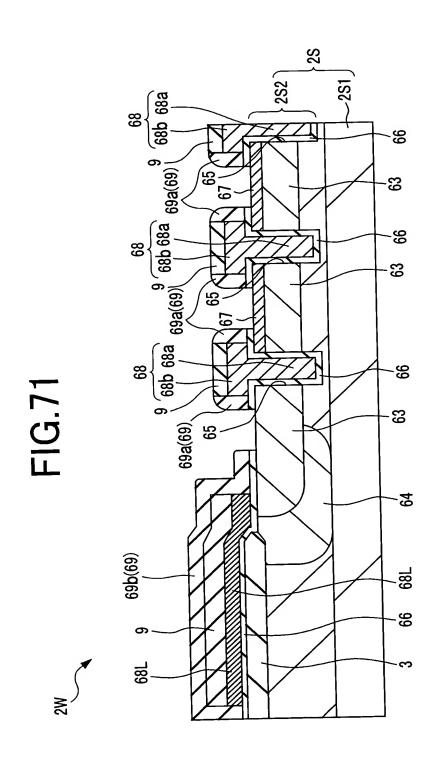


FIG.69







٠,,,,,,

FIG.72

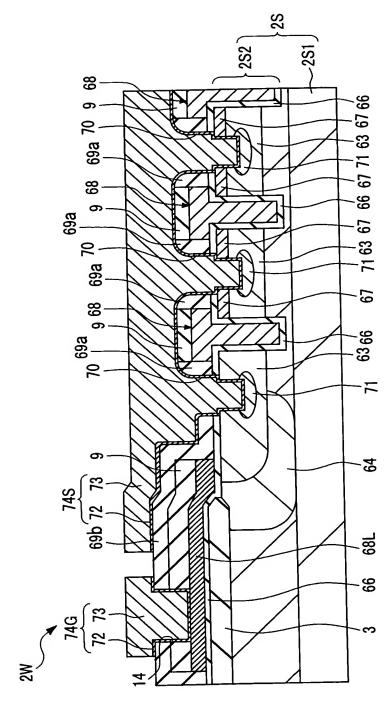


FIG.73

FIG.74

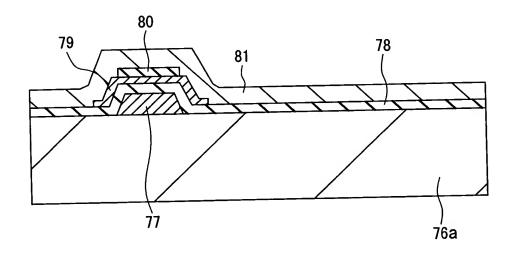


FIG.75

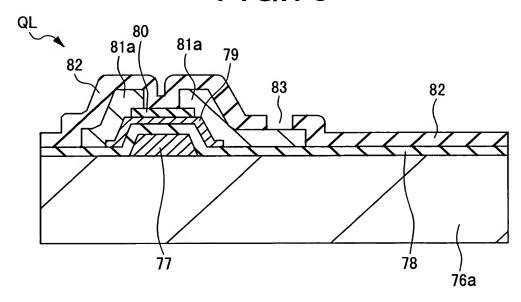


FIG.76

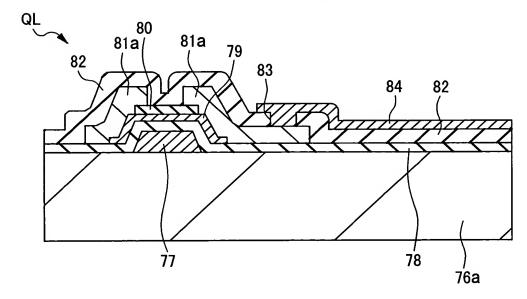


FIG.77

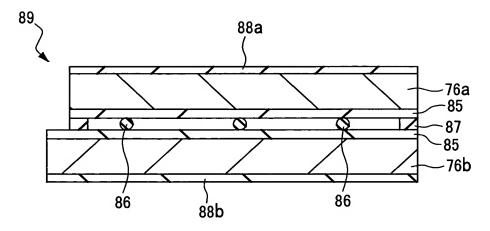


FIG.78

